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(2)

RAW SEQUENCE LISTING

DATE: 09/10/2001

PATENT APPLICATION: US/09/922,293

TIME: 09:51:16

Input Set : D:\16517-235 seq listing.txt

Output Set: N:\CRF3\09102001\I922293.raw

1 <110> APPLICANT: Conner, Timothy W.
2 Heck, Gregory R.
3 Liu, Jingdong
5 <120> TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
6 Transcription in Plants
8 <130> FILE REFERENCE: 16517.254
C--> 10 <140> CURRENT APPLICATION NUMBER: US/09/922,293
C--> 10 <141> CURRENT FILING DATE: 2001-08-06
10 <150> PRIOR APPLICATION NUMBER: US 60/067,000
11 <151> PRIOR FILING DATE: 1997-11-24
13 <150> PRIOR APPLICATION NUMBER: US 60/069,472
14 <151> PRIOR FILING DATE: 1997-12-09
16 <150> PRIOR APPLICATION NUMBER: US 60/071,479
17 <151> PRIOR FILING DATE: 1998-01-13
19 <150> PRIOR APPLICATION NUMBER: US 60/074,201
20 <151> PRIOR FILING DATE: 1998-02-10
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23 <151> PRIOR FILING DATE: 1998-02-10
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26 <151> PRIOR FILING DATE: 1998-02-10
28 <150> PRIOR APPLICATION NUMBER: US 60/074,281
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32 <151> PRIOR FILING DATE: 1998-02-12
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35 <151> PRIOR FILING DATE: 1998-02-12
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50 <151> PRIOR FILING DATE: 1998-02-19
52 <150> PRIOR APPLICATION NUMBER: US 60/075,464
53 <151> PRIOR FILING DATE: 1998-02-19
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56 <151> PRIOR FILING DATE: 1998-02-19
58 <150> PRIOR APPLICATION NUMBER: US 60/075,463
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62 <151> PRIOR FILING DATE: 1998-03-09
64 <150> PRIOR APPLICATION NUMBER: US 60/077,229
65 <151> PRIOR FILING DATE: 1998-03-09
67 <150> PRIOR APPLICATION NUMBER: US 60/077,230

ENTERED

P. 5

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/922,293

DATE: 09/10/2001
TIME: 09:51:16

Input Set : D:\16517-235 seq listing.txt
Output Set: N:\CRF3\09102001\I922293.raw

68 <151> PRIOR FILING DATE: 1998-03-09
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71 <151> PRIOR FILING DATE: 1998-03-18
73 <150> PRIOR APPLICATION NUMBER: US 60/080,844
74 <151> PRIOR FILING DATE: 1998-04-07
76 <150> PRIOR APPLICATION NUMBER: US 60/083,067
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79 <150> PRIOR APPLICATION NUMBER: US 60/083,386
80 <151> PRIOR FILING DATE: 1998-04-29
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88 <150> PRIOR APPLICATION NUMBER: US 60/083,389
89 <151> PRIOR FILING DATE: 1998-04-29
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92 <151> PRIOR FILING DATE: 1998-05-13
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113 <151> PRIOR FILING DATE: 1998-05-21
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116 <151> PRIOR FILING DATE: 1998-05-21
118 <150> PRIOR APPLICATION NUMBER: US 60/086,188
119 <151> PRIOR FILING DATE: 1998-05-21
121 <150> PRIOR APPLICATION NUMBER: US 60/089,524
122 <151> PRIOR FILING DATE: 1998-06-16
124 <150> PRIOR APPLICATION NUMBER: US 60/089,810
125 <151> PRIOR FILING DATE: 1998-06-18
127 <150> PRIOR APPLICATION NUMBER: US 60/089,814
128 <151> PRIOR FILING DATE: 1998-06-18
130 <150> PRIOR APPLICATION NUMBER: US 60/089,808
131 <151> PRIOR FILING DATE: 1998-06-18
133 <150> PRIOR APPLICATION NUMBER: US 60/089,812
134 <151> PRIOR FILING DATE: 1998-06-18
136 <150> PRIOR APPLICATION NUMBER: US 60/089,807
137 <151> PRIOR FILING DATE: 1998-06-18
139 <150> PRIOR APPLICATION NUMBER: US 60/089,806
140 <151> PRIOR FILING DATE: 1998-06-18

RAW SEQUENCE LISTING

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Input Set : D:\16517-235 seq listing.txt

Output Set: N:\CRF3\09102001\I922293.raw

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145 <150> PRIOR APPLICATION NUMBER: US 60/089,811
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149 <151> PRIOR FILING DATE: 1998-06-18
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152 <151> PRIOR FILING DATE: 1998-06-30
154 <150> PRIOR APPLICATION NUMBER: US 60/091,247
155 <151> PRIOR FILING DATE: 1998-06-30
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160 <150> PRIOR APPLICATION NUMBER: US 60/099,668
161 <151> PRIOR FILING DATE: 1998-09-09
163 <150> PRIOR APPLICATION NUMBER: US 60/099,670
164 <151> PRIOR FILING DATE: 1998-09-09
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167 <151> PRIOR FILING DATE: 1998-09-09
169 <150> PRIOR APPLICATION NUMBER: US 60/100,674
170 <151> PRIOR FILING DATE: 1998-09-16
172 <150> PRIOR APPLICATION NUMBER: US 60/100,673
173 <151> PRIOR FILING DATE: 1998-09-16
175 <150> PRIOR APPLICATION NUMBER: US 60/100,672
176 <151> PRIOR FILING DATE: 1998-09-16
178 <150> PRIOR APPLICATION NUMBER: US 60/100,963
179 <151> PRIOR FILING DATE: 1998-09-17
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184 <150> PRIOR APPLICATION NUMBER: US 60/101,132
185 <151> PRIOR FILING DATE: 1998-09-21
187 <150> PRIOR APPLICATION NUMBER: US 60/101,130
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190 <150> PRIOR APPLICATION NUMBER: US 60/101,508
191 <151> PRIOR FILING DATE: 1998-09-22
193 <150> PRIOR APPLICATION NUMBER: US 60/101,344
194 <151> PRIOR FILING DATE: 1998-09-22
196 <150> PRIOR APPLICATION NUMBER: US 60/101,347
197 <151> PRIOR FILING DATE: 1998-09-22
199 <150> PRIOR APPLICATION NUMBER: US 60/101,343
200 <151> PRIOR FILING DATE: 1998-09-22
202 <150> PRIOR APPLICATION NUMBER: US 60/101,707
203 <151> PRIOR FILING DATE: 1998-09-25
205 <150> PRIOR APPLICATION NUMBER: US 60/104,126
206 <151> PRIOR FILING DATE: 1998-10-13
208 <150> PRIOR APPLICATION NUMBER: US 60/104,128
209 <151> PRIOR FILING DATE: 1998-10-13
211 <150> PRIOR APPLICATION NUMBER: US 60/104,127
212 <151> PRIOR FILING DATE: 1998-10-13
214 <150> PRIOR APPLICATION NUMBER: US 60/104,124

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Input Set : D:\16517-235 seq listing.txt

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215 <151> PRIOR FILING DATE: 1998-10-13
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221 <151> PRIOR FILING DATE: 1998-11-18
223 <150> PRIOR APPLICATION NUMBER: US 09/199,129
224 <151> PRIOR FILING DATE: 1998-11-24
226 <150> PRIOR APPLICATION NUMBER: US 09/210,297
227 <151> PRIOR FILING DATE: 1998-12-08
229 <150> PRIOR APPLICATION NUMBER: US 60/111,981
230 <151> PRIOR FILING DATE: 1998-12-11
232 <150> PRIOR APPLICATION NUMBER: US 60/113,224
233 <151> PRIOR FILING DATE: 1998-12-22
235 <150> PRIOR APPLICATION NUMBER: US 09/229,413
236 <151> PRIOR FILING DATE: 1999-01-12
238 <160> NUMBER OF SEQ ID NOS: 3853
240 <210> SEQ ID NO: 1
241 <211> LENGTH: 320
242 <212> TYPE: DNA
243 <213> ORGANISM: Arabidopsis thaliana
245 <400> SEQUENCE: 1
247 cacacgcgtc cgctcctcca tatcttaaca atttcatagc aaaccctaaa attgagaaaag 60
249 agatagagag agaaagatgg gtagaggaaa gatcgagata aagaggatag agaacgcaaa 120
251 caacagagtg gtgacgttct caaagaggag gaatggattg gtgaagaagg ctaaagagat 180
253 cacagttctt tgtgatgcaa aagttgccct cataatcttt gcaagtaatg gtaagatgat 240
255 tgattactgt tgtccttcca tggatcttgg tgctatgttg gaccaatacc agaagttatc 300
257 tggcaagaaa ctatgggatg                                     320
260 <210> SEQ ID NO: 2
261 <211> LENGTH: 366
262 <212> TYPE: DNA
263 <213> ORGANISM: Arabidopsis thaliana
265 <400> SEQUENCE: 2
267 acgcgtccgt ggagaactcg ttaactgcaa aagagaagat tatttcggag cttaatatgg 60
269 agattcacaa tgttgagaca gctttagcta atgagcgaga aagtcatgtt gccgagataa 120
271 agaaattgaa ttctttgctc aataaaaagg atactatcat tgaagagatg aagaaagagc 180
273 ttcaagaaag accatcagca aaattagttg atgatttgcg caaaaaagtg aaaattctgc 240
275 aggctgtagg ttacaattca attgaggctg aagactggga tgctgctacc actggtgaag 300
277 agatgagcaa aatggagtcg cttcttcttg ataaaaacag aaaaatggaa catgaggtca 360
279 ctcaagt                                     366
282 <210> SEQ ID NO: 3
283 <211> LENGTH: 402
284 <212> TYPE: DNA
285 <213> ORGANISM: Arabidopsis thaliana
287 <400> SEQUENCE: 3
289 caaaaacgca ggaaaacaat gtcgtttaac agctcccacc tccttcctcc acaagaagac 60
291 cttcctctcc gacacttcac cgatcaatca cagcaacctc cgccgcagcg tcacttctct 120
293 gaaacacctt cgcttgctac cgccagtttc ctcaacctcc ctaccacctc taccactgcg 180
295 gattccgata tcgctcctcc gcaccgcaac ggagacaatt ccgttgctga tacaaaccca 240
297 cgctggctct cctttcattc ggagatgcaa aatactggag aagtacgttc tgaagttatc 300

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299 gacggagtca acgccgatgg tgaacgata ctcggcggtg taagagggtga agattggcgg 360
301 agtgctagct ataatgcggc gattttaaga catccgatgt ac 402
304 <210> SEQ ID NO: 4
305 <211> LENGTH: 364
306 <212> TYPE: DNA
307 <213> ORGANISM: Arabidopsis thaliana
309 <400> SEQUENCE: 4
311 aagagcttga gtgttcacatca gcatcactct gatcaaattt taccttcctc tgtttacaac 60
313 aacaatggta ataatgggtg tggattctac aacaattacc gttacgagac atcagggttt 120
315 gtgagtagtg tactgagatc tcgttacctt aaaccaacac aacaattgct tgatgaagtt 180
317 gttagtgtaa ggaagattt gaaattgggg aataagaaga tgaagaatga taaagggtcaa 240
319 gactttcaca atgggtctag tgataacatt acagaagatg ataaatctca atcgaggag 300
321 ttgtctcctt cagaacgtca ggagctacag agcaagaaga gcaagctttt aacaatgggtg 360
323 gatg 364
326 <210> SEQ ID NO: 5
327 <211> LENGTH: 234
328 <212> TYPE: DNA
329 <213> ORGANISM: Arabidopsis thaliana
331 <400> SEQUENCE: 5
333 aaccacgcg tccgatagtc tttatagata agactcttca acgattccac tttatttttc 60
335 ggtgggattg ttgggtgatg aagaaaaaaa aatagtttgt aattacaggt ttaaataatgt 120
337 agagaaaaaa tgacgaatat gtattatctt gttttttttt ccttcgaata tgtattacgg 180
339 taatataaat ttgcttgtaa aaataataaa tatattattt gataaatttt gtac 234
342 <210> SEQ ID NO: 6
343 <211> LENGTH: 409
344 <212> TYPE: DNA
345 <213> ORGANISM: Arabidopsis thaliana
347 <400> SEQUENCE: 6
349 gttatggcct gttgggagat tgaacagtcg cttcaaagtt ttacaggggt atctcctggt 60
351 gaaggcacag gagcaacaat gtctgaggat gaagatgagc aagtagagag tgatgctcat 120
353 ttgtttgatg gaagcttaga tgggttaggg tttggtcctc tagttcccac tgagagcgag 180
355 agatctttga tggacagagt cagacaagaa ctcaaactg aactcaagca gggttacaag 240
357 gagaaaattg tggacataag agaggagata ctgaggaaga gaagagctgg aaaattacca 300
359 ggagacacca cctctgttct caaatcatgg tggcaatctc attctaagtg gccttaccct 360
361 actgaggaag ataaggcgag gttggtgcag gagacgggtt tgcagctca 409
364 <210> SEQ ID NO: 7
365 <211> LENGTH: 392
366 <212> TYPE: DNA
367 <213> ORGANISM: Arabidopsis thaliana
369 <400> SEQUENCE: 7
371 tacggctgcg agaagacgac agaaggggag agcgagagat ctttgatgga acgagtcaga 60
373 caagaactca aacatgaact caagcagggt tacaaggaga aaattgtgga cataagagag 120
375 gagatactga ggaagagaag agctggaaaa ttaccaggag acaccacctc tgttctcaaa 180
377 tcatggtggc aatctcattc taagtggcct taccctactg aggaagataa ggcgagggtg 240
379 gtgcaggaga cgggtttgca gctcaaacag ataaacaatt ggttcatcaa tcaaagaaag 300
381 aggaattggc atagcaatcc atcttcttct accgtctcaa agaataaacg ccgaagcaat 360
383 gcagggtgaaa acagcggaag agaccgttga ga 392
386 <210> SEQ ID NO: 8
387 <211> LENGTH: 391

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Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

DATE: 09/10/2001

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Input Set : D:\16517-235 seq listing.txt

Output Set: N:\CRF3\09102001\I922293.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application No
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1024 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:36
L:1099 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:39
L:1254 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:46
L:1377 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:51
L:1404 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:52
L:1453 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:1480 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:1507 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:1760 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68
L:1875 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:1879 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:73
L:1906 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74
L:1957 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:76
L:2030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:79
L:2641 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:108
L:2894 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:119
L:2945 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:121
L:2972 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:122
L:3133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:129
L:3372 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:140
L:3639 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:152
L:3946 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:166
L:4179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:176
L:4206 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:177
L:4435 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:187
L:4792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:203
L:5285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:224
L:5312 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:225
L:5327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:226
L:5472 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:232
L:5685 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:241
L:5689 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:241
L:5764 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:244
L:6065 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:258
L:6069 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:258
L:6776 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:290
L:7093 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:305
L:7590 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:332
L:7813 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:344
L:9628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:442
L:9801 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:451
L:9958 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:459
L:10033 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:462
L:10035 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:462
L:10088 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:464
L:10365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:477

VERIFICATION SUMMARY

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Input Set : D:\16517-235 seq listing.txt

Output Set: N:\CRF3\09102001\I922293.raw

L:10388 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:478

L:10392 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:478

L:10394 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:478

L:10396 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:478